CLAIMS

What is claimed is:

1. A method comprising:

stalling an attempt to reference an object; and

determining whether an attempter that originated said attempt is authorized to access said object, wherein upon a determination that said attempter is authorized to access said object, said method further comprising saving at least part of said object.

2. The method of Claim 1 wherein upon a determination that said attempter is authorized to access said object, said method further comprising releasing said attempt.

3. The method of Claim 2 wherein upon said releasing said attempt, said method further comprising determining if access is granted using an access control list.

4. The method of Claim 2 wherein upon said releasing said attempt an ObReferenceObjectByHandle() function is invoked.

5. The method of Claim 1 wherein upon a determination that said attempter is not authorized to access said object, said method further comprising denying said attempt.

6. The method of Claim 1 further comprising hooking object functionality.

7. The method of Claim 6 wherein said object functionality comprises functionality associated with creating, modifying, or closing said object.

8. The method of Claim 6 wherein said hooking object functionality comprises hooking a user mode library.

9. The method of Claim 6 wherein said hooking object functionality comprises hooking a system call table.

10. The method of Claim 6 wherein said hooking object functionality comprises hooking an object manager.

11. The method of Claim 6 wherein said hooking object functionality comprises hooking an ObReferenceObjectByHandle() function.

12. The method of Claim 6 wherein said hooking object functionality comprises hooking an ObDereferenceObject() function.

13. The method of Claim 6 wherein said hooking object functionality comprises hooking object type procedures.

14. The method of Claim 1 further comprising determining whether said attempt has occurred.

15. The method of Claim 1 further comprising stalling an attempt to release said object.

16. The method of Claim 15 further comprising determining whether said object has changed.

17. The method of Claim 16 wherein upon a determination that said object has not changed, said

method further comprising releasing said attempt to release said object.

18. The method of Claim 16 wherein upon a determination that said object has changed, said method further comprising determining if said attempter is authorized to change said object.

19. The method of Claim 18 wherein upon a determination that said attempter is authorized to change said object, said method further comprising releasing said attempt to release said object.

20. The method of Claim 18 wherein upon a determination that said attempter is not authorized to change said object, said method further comprising restoring said object.

21. The method of Claim 20 wherein said restoring comprises replacing at least part of said object with a saved at least part of said object.

22. A method comprising:
hooking object functionality;
stalling an attempt to release an object originating from an attempter;
determining that said object has been changed by said attempter;
determining that said attempter did not have authority to change said object;
restoring said object; and
releasing said attempt.

23. The method of Claim 22 wherein said attempter is a user of a computer system.

24. The method of Claim 22 wherein said attempter is a process on a computer system.

25. The method of Claim 24 wherein said process is a kernel mode process.

26. A method comprising:

stalling an attempt to reference an object originating from an attempter;

determining whether said attempter is being monitored, wherein upon a determination that said attempter is being monitored, said method further comprising:

recording attempt information about said attempt.

27. The method of Claim 26 further comprising releasing said attempt.

28. The method of Claim 27, wherein upon said releasing said attempt, said method further comprising determining if access is granted using an access control list.

29. The method of Claim 28 further comprising recording access results.

30. The method of Claim 26 wherein upon a determination that said attempter is not being monitored, said method further comprising:

releasing said attempt.

31. The method of Claim 26 further comprising hooking object functionality.

32. The method of Claim 26 further comprising stalling an attempt to release said object.

33. The method of Claim 32 further comprising recording attempt information about said attempt to release said object.

34. A method comprising:

stalling an attempt to release an object originating from an attempter;

determining whether said attempter is being monitored, wherein upon a determination that said attempter is being monitored, said method further comprising:

recording attempt information about said attempt.

35. A system comprising:

a means for stalling an attempt to reference an object;

a means for determining whether an attempter that originated said attempt is authorized to access said object; and

a means for saving at least part of said object upon a determination that said attempter is authorized to access said object.

36. A computer-program product comprising a computer-readable medium containing computer program code comprising:

a behavior blocking and monitoring application for stalling an attempt to reference an object; and

said behavior blocking and monitoring application further for determining whether an attempter that originated said attempt is authorized to access said object, wherein upon a determination that said attempter is authorized to access said object, said behavior blocking and monitoring application further for saving at least part of said object.

37. A computer system comprising:

a memory having stored therein a behavior blocking and monitoring application; and

a processor coupled to said memory, wherein execution of said behavior blocking and monitoring application generates a method comprising:

stalling an attempt to reference an object; and

determining whether an attempter that originated said attempt is authorized to access said object, wherein upon a determination that said attempter is authorized to access said object, said method further comprising saving at least part of said object.